

WEST Search History

DATE: Wednesday, July 30, 2003

| <u>Set Name</u> | <u>Query</u> | <u>Hit Count</u> | <u>Set Name</u> |
|---|--|------------------|-----------------|
| side by side | | | result set |
| <i>DB=USPT,PGPB,JPAB,EPAB,DWPI; PLUR=YES; OP=OR</i> | | | |
| L6 | 14 not 15 | 13 | L6 |
| L5 | L1 same (lactococcus or lactobacillus or lactis or (lactic adj acid adj bacteria)) | 16 | L5 |
| L4 | L1 and (lactococcus) | 26 | L4 |
| L3 | L1 and (lactococcus or lactobacillus or lactis or (lactic adj acid adj bacteria)) | 371 | L3 |
| L2 | L1 and (lactococcus or lactobacillus) | 56 | L2 |
| L1 | hemin or haemin | 1693 | L1 |

END OF SEARCH HISTORY

09/767680
STN Search Summary

=> d his

FILE 'CAPLUS' ENTERED AT 19:18:12 ON 17 DEC 2002

L1 11094 S (LACT? (2W) BACTERI?)
L2 10 S L1 AND PORPHYRIN
L3 24 S L1 AND PORPHYR?
L4 14 S L3 NOT L2

L2 ANSWER 2 OF 10 CAPLUS COPYRIGHT 2002 ACS

AN 2002:31621 CAPLUS

TI Method of improving biomass yield of lactic acid
bacterial cultures

IN Jensen, Peter Ruhdal; Blank, Lars; Kobmann, Brian Jensen

PA Danmarks Tekniske Universitet, Den.

SO PCT Int. Appl., 50 pp.

| | PATENT NO. | KIND | DATE | APPLICATION NO. | DATE |
|------|-----------------|------|----------|-----------------|----------|
| PI | WO 2002002747 | A2 | 20020110 | WO 2001-DK468 | 20010705 |
| | WO 2002002747 | A3 | 20020510 | | |
| | AU 2001070482 | A5 | 20020114 | AU 2001-70482 | 20010705 |
| | US 2002034815 | A1 | 20020321 | US 2001-898490 | 20010705 |
| PRAI | US 2000-216356P | P | 20000705 | | |
| | WO 2001-DK468 | W | 20010705 | | |

L2 ANSWER 3 OF 10 CAPLUS COPYRIGHT 2002 ACS

AN 2001:781390 CAPLUS

TI Porphyrin-containing lactic acid bacterial
cells and application for decreasing oxygen in food and feed

IN Geppel, Asger; Kringelum, Borge Windel; Hansen, Ken Flemming; Iversen,
Stig Lykke; Henriksen, Claus Maxel

SO U.S. Pat. Appl. Publ., 25 pp., Cont.-in-part of U.S. Ser. No. 488,644.

| | PATENT NO. | KIND | DATE | APPLICATION NO. | DATE |
|------|----------------|------|----------|-----------------|----------|
| PI | US 2001033878 | A1 | 20011025 | US 2001-767680 | 20010124 |
| PRAI | US 2000-488644 | A2 | 20000121 | | |
| | WO 2001-DK36 | A1 | 20010118 | | |

L2 ANSWER 4 OF 10 CAPLUS COPYRIGHT 2002 ACS

AN 2001:545429 CAPLUS

TI Porphyrin-containing lactic acid bacterial
cells and application for decreasing oxygen in food and feed

IN Geppel, Asger; Kringelum, Borge Windel; Hansen, Ken Flemming; Iversen,
Stig Lykke; Henriksen, Claus Maxel

PA Chr. Hansen A/S, Den.

SO PCT Int. Appl., 48 pp.

| | PATENT NO. | KIND | DATE | APPLICATION NO. | DATE |
|------|----------------|------|----------|--|----------|
| PI | WO 2001052668 | A2 | 20010726 | WO 2001-DK36 | 20010118 |
| | WO 2001052668 | A3 | 20020110 | | |
| | AU 2001026651 | A5 | 20010731 | AU 2001-26651 | 20010118 |
| | EP 1248536 | A2 | 20021016 | EP 2001-901132 | 20010118 |
| | | | | R: AT, BE, CH, DE, DK, ES, FR, GB, GR, IT, LI, LU, NL, SE, MC, PT, IE, SI, LT, LV, FI, RO, MK, CY, AL, TR | |
| PRAI | US 2000-488644 | A | 20000121 | | |
| | WO 2001-DK36 | W | 20010118 | | |

Priority
do

L2 ANSWER 5 OF 10 CAPLUS COPYRIGHT 2002 ACS
 AN 2000:84951 CAPLUS
 TI Process for preparing starter cultures of lactic acid
 bacteria
 IN Duwat, Patrick; Sourice, Sophie; Gruss, Alexandra
 PA Institut National De La Recherche Agronomique, Fr.
 SO PCT Int. Appl., 32 pp.

| PATENT NO. | KIND | DATE | APPLICATION NO. | DATE |
|--|------|----------|-----------------|----------|
| WO 2000005342 | A1 | 20000203 | WO 1999-IB1430 | 19990726 |
| FR 2782093 | A1 | 20000211 | FR 1998-9463 | 19980724 |
| FR 2782093 | B1 | 20020208 | | |
| CA 2338365 | AA | 20000203 | CA 1999-2338365 | 19990726 |
| AU 9950616 | A1 | 20000214 | AU 1999-50616 | 19990726 |
| BR 9912416 | A | 20010417 | BR 1999-12416 | 19990726 |
| EP 1100868 | A1 | 20010523 | EP 1999-935013 | 19990726 |
| R: AT, BE, CH, DE, DK, ES, FR, GB, GR, IT, LI, LU, NL, SE, MC, PT, IE, SI, LT, LV, FI, RO | | | | |
| PRAI FR 1998-9463 | A | 19980724 | | |
| WO 1999-IB1430 | W | 19990726 | | |

L2 ANSWER 6 OF 10 CAPLUS COPYRIGHT 2002 ACS
 AN 1992:233934 CAPLUS
 TI Culture media for growth and productivity enhancement of lactic
 acid bacteria
 IN Kaneko, Tsutomu; Mori, Hiroharu; Suzuki, Hideki
 PA Meiji Milk Products Co., Ltd., Japan
 SO Jpn. Kokai Tokkyo Koho, 5 pp.
 LA Japanese

| PATENT NO. | KIND | DATE | APPLICATION NO. | DATE |
|-------------|------|----------|-----------------|----------|
| JP 04036180 | A2 | 19920206 | JP 1990-141976 | 19900531 |
| JP 2991458 | B2 | 19991220 | | |

L2 ANSWER 7 OF 10 CAPLUS COPYRIGHT 2002 ACS
 AN 1991:447770 CAPLUS
 TI Diacetyl and acetoin manufacture with lactic acid
 bacteria
 IN Kaneko, Tsutomu; Takahashi, Masahiro; Suzuki, Hideki
 PA Meiji Milk Products Co., Ltd., Japan
 SO Eur. Pat. Appl., 8 pp.

| PATENT NO. | KIND | DATE | APPLICATION NO. | DATE |
|---------------------|------|----------|-----------------|----------|
| EP 430406 | A2 | 19910605 | EP 1990-310439 | 19900924 |
| EP 430406 | A3 | 19911016 | | |
| EP 430406 | B1 | 19960522 | | |
| JP 03219884 | A2 | 19910927 | JP 1990-78626 | 19900329 |
| JP 2901008 | B2 | 19990602 | | |
| US 5075226 | A | 19911224 | US 1990-581601 | 19900912 |
| CA 2029249 | AA | 19910529 | CA 1990-2029249 | 19901102 |
| AU 9067002 | A1 | 19910606 | AU 1990-67002 | 19901127 |
| AU 634603 | B2 | 19930225 | | |
| PRAI JP 1989-306405 | | 19891128 | | |
| JP 1990-78626 | | 19900329 | | |

Journal
 in 105

L4 ANSWER 1 OF 4 MEDLINE on STN DUPLICATE 1
AN 82254551 MEDLINE
DN 82254551 PubMed ID: 7103053
TI Affinity chromatography of heme-binding proteins: an improved method for the synthesis of hemin-agarose.
AU Tsutsui K; Mueller G C
NC CA-07175 (NCI)
CA-09020 (NCI)
CA-23076 (NCI)
SO ANALYTICAL BIOCHEMISTRY, (1982 Apr) 121 (2) 244-50.
Journal code: 0370535. ISSN: 0003-2697.
CY United States
DT Journal; Article; (JOURNAL ARTICLE)
LA English
FS Priority Journals
EM 198209
ED Entered STN: 19900317
Last Updated on STN: 19970203
Entered Medline: 19820917

L4 ANSWER 2 OF 4 SCISEARCH COPYRIGHT 2003 THOMSON ISI on STN
AN 82:239281 SCISEARCH
GA The Genuine Article (R) Number: NP311
TI AFFINITY-CHROMATOGRAPHY OF HEME-BINDING PROTEINS - AN IMPROVED METHOD FOR THE SYNTHESIS OF HEMIN AGAROSE
AU TSUTSUI K (Reprint); MUELLER G C
CS UNIV WISCONSIN, MCARDLE LAB CANC RES, MADISON, WI, 53706
CYA USA
SO ANALYTICAL BIOCHEMISTRY, (1982) Vol. 121, No. 2, pp. 244-250.
DT Article; Journal
FS LIFE
LA ENGLISH
REC Reference Count: 15

L4 ANSWER 3 OF 4 MEDLINE on STN DUPLICATE 2
AN 67250033 MEDLINE
DN 67250033 PubMed ID: 6010071
TI Studies on protoporphyrin (IX) and its related compounds. I. Improved method for the preparation of pure protoporphyrin (IX) from Hemin.
AU Meguro M; Ishibashi K; Yoshioka I
SO YAKUGAKU ZASSHI. JOURNAL OF THE PHARMACEUTICAL SOCIETY OF JAPAN, (1966 Dec) 86 (12) 1138-42.
Journal code: 0413613. ISSN: 0031-6903.
CY Japan
DT Journal; Article; (JOURNAL ARTICLE)
LA Japanese
FS Priority Journals
EM 196711
ED Entered STN: 19900101
Last Updated on STN: 19900101
Entered Medline: 19671111

L4 ANSWER 4 OF 4 CAPLUS COPYRIGHT 2003 ACS on STN
AN 1915:11343 CAPLUS
DN 9:11343
OREF 9:1793d-g
TI A greatly improved hemin test for blood, with notes on some recently proposed methods
AU Beam, W.; Freak, G. A.
SO Biochemical Journal (1915), 9, 161-70
CODEN: BIJOAK; ISSN: 0264-6021
DT Journal
LA Unavailable

AB The principle underlying this modification is the slow crystn. of hemin. Procedure: A small quantity of the suspected material is placed at the bottom of a flat As sublimation tube about 3 by 6 mm. and 35 mm. long. A few drops of acetic acid containing from 0.01 to 0.1% NaCl are added, and a very fine cotton thread adjusted so that its upper end is near the top of the tube and the lower end reaches to the bottom of the liquid. The thread should be everywhere in contact with the tube, to which it adheres readily by being moistened with the liquid. The adjustment is made by means of a glass rod, one end of which is drawn out for the purpose. The tube is now placed in a rack and allowed to remain until crystn. occurs. The clear liquid, filtered by its passage through and along the cotton thread, is slowly drawn up, by capillary action, to the mouth of the tube. Complete evapn. usually takes from 12 to 24 hrs. Crystals usually begin to appear on or near the upper half of the thread, and are sufficiently large to be distinguishable in about 1 hr. with a power of 75 diameters. Ultimately they become so large that, in place of requiring a magnification of 250 to 300 diameters, they may readily be seen with one of 25 diameters. Of the solvents used, acetic acid was found to be the best. Forms of halides other than NaCl showed no advantage.